

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/06/2016 10/06/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_4				
Comment Code					
Inspector Comment					
Merced County has a copy of the Operation and Maintenance Manual in their Office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_5				
Comment Code					
Inspector Comment					
Merced Streams Group has emergency supplies and equipment on hand.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Black Rascal Diversion	Right	1.61	10/06/2016 10/06/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	6		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_NA0013_01_f_2016_6						
Comment Code							
Inspector Comment							
Merced Streams Group are Trained and prepared for Flood Fight.							

No Photos

LM Start	0.00	Rating **	A	Issue No.	1	
LM End	1.27	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.314708 °		37.332582 °
				-120.396403 °		-120.394752 °
DWR ID	DWR_NA0013_01_f_2016_1					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
No unwanted vegetation.						

Photo 1 of 1 : FA\_2016\_NA0013\_331\_1\_20161012\_00001.jpg



NA0013 Merced Streams Group Unit 1 levee mile 0.00.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314708 °	37.336818 °
				-120.396403 °	-120.396542 °
DWR ID	DWR_NA0013_01_f_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	10/06/2016 10/06/2016	Herman Phillips

LM Start	1.27	Rating **	M	Issue No.	3
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.332582 °	37.333678 °
				-120.394752 °	-120.395158 °
DWR ID	DWR_NA0013_01_f _ 2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	7
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.337027°	37.314620°
				-120.387473°	-120.395820°
DWR ID	DWR_NA0013_02_f_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegation.					

Photo 1 of 1 : FA\_2016\_NA0013\_332\_7\_20161012\_00019.jpg



Unit 2 looking downstream landside slope levee mile 0.00.

LM Start	0.01	Rating **	A	Issue No.	8
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.337027 °	37.314620 °
				-120.387473 °	-120.395820 °
DWR ID	DWR_NA0013_02_f_2016_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation.					

Photo 1 of 1 : FA\_2016\_NA0013\_332\_8\_20161012\_00018.jpg



Unit 2 levee mile 0.00 waterside slope looking downstream.

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+ Issue Type  
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**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	10/06/2016 10/06/2016	Herman Phillips

LM Start	1.29	Rating **	C	Issue No.	5
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.322615 °	37.322615 °
				-120.395948 °	-120.395948 °
DWR ID					
Comment Code					
Inspector Comment					
07/22/2016: No sign of new erosion observed. Slightly more vegetation at the site.					
09/03/2015: The erosion site has been repaired, and vegetation has been removed. Minor erosion is still visible at the lower bank slope near the discharge structure.					
7/31/2014: Soil has been added near the site and more vegetation is visible.					
7/16/2013: The site was reported in the 2013 Spring Levee Inspection Reports. The erosion was caused by the water from the discharge line crossing the levee. Above the erosion a concrete discharge structure is present at the levee toe. The site is covered with dense vegetation.					
[2016 Site ID:NA0013U02RM1.31]					

No Photos

LM Start	1.63	Rating **	M	Issue No.	9
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.317758 °	37.317758 °
				-120.395750 °	-120.395750 °
DWR ID	DWR_NA0013_02_f_2016_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Take out this walnut tree from the landside shoulder.					

Photo 1 of 1 : FA\_2016\_NA0013\_332\_9\_20161012\_00021.jpg



Unit 2 levee mile 1.63 landside shoulder.

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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	3
LM End	1.42	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257745°	37.273657°
				-120.288458°	-120.277787°
DWR ID	DWR_NA0013_03_f_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Crown roadway from levee mile 0.01-1.42 clear of all vegetation.					

No Photos

LM Start	0.40	Rating **	U	Issue No.	4
LM End	0.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.263385 °	37.265792 °
				-120.288345 °	-120.288405 °
DWR ID	DWR_NA0013_03_f_2016_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the Tall dead weed growth from the landside slope and levee toe.					

Photo 1 of 1 : FA\_2016\_NA0013\_333\_4\_20161013\_00003.jpg



Unit 3 looking upstream landside slope levee mile 0.40-0.57.

LM Start	0.58	Rating **	M	Issue No.	5
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.265945 °	37.272620 °
				-120.288270 °	-120.280453 °
DWR ID	DWR_NA0013_03_f_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the dead weeds from the landside slope.					

No Photos

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WS : Water Side  
CR : Crown

**\*\* Rating**  
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U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	10/07/2016 10/07/2016	Herman Phillips

LM Start	1.23	Rating **	A	Issue No.	6
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.272620 °	37.273657 °
				-120.280453 °	-120.277790 °
DWR ID	DWR_NA0013_03_f_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Levee miles 1.23 -1.42 landside slope no unwanted vegetation on the levee slope.					

No Photos

LM Start	1.23	Rating **	M	Issue No.	7
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272628 °	37.272927 °
				-120.280398 °	-120.280302 °
DWR ID	DWR_NA0013_03_f_2016_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Control the rodents along the landside slope from levee mile 1.23 to 1.25.					

No Photos

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## Merced Streams Group

Levee mile 0.13 looking downstream at landside slope.

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**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	10/07/2016 10/07/2016	Herman Phillips

LM Start	<b>0.19</b>	Rating **	M	Issue No.	<b>10</b>							
LM End	<b>0.69</b>	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Animal Control		37.272373°	37.267383°								
			-120.280392°	-120.286598°								
DWR ID	DWR_NA0013_04_f_2016_10											
Comment Code												
A1 : Exterminate rodents and backfill and compact or grout burrows.												
Inspector Comment												
No rodent or burrows found in this area listed.												

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
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 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement